



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141537

Mode: Highway

Status: Submitted

US-17

From/Cross Street: near SR 1582 (Washington Acres Road)

Specific Improvement Type: 4 - Upgrade Arterial to Superstreet

To: Near SR 1563 (Sloop Point Loop Road)

Project Category: Statewide Mobility

Length: 5.52

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,410,000

Description:

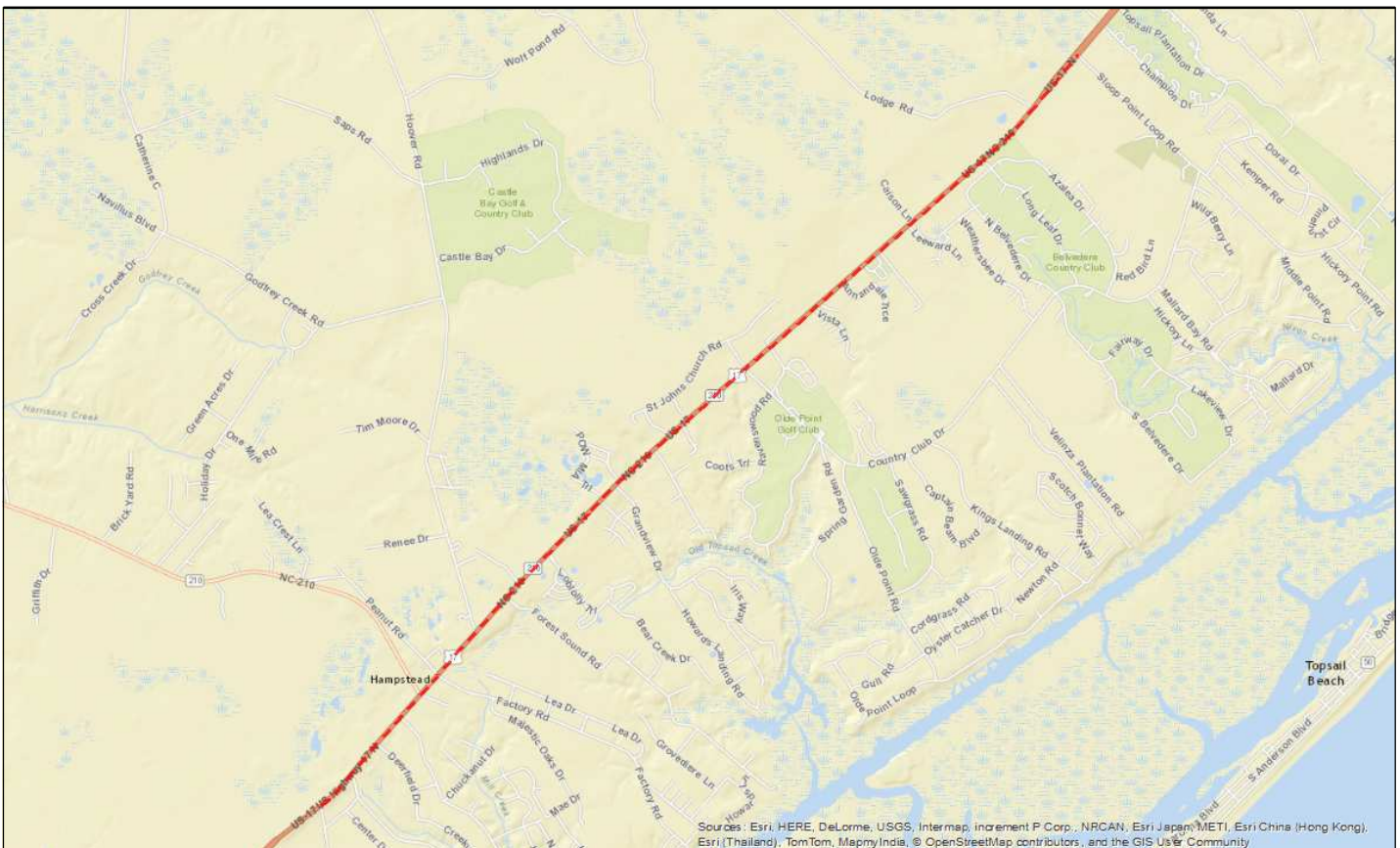
Construct a super-street design

Division(s): Division 3

County(s): PENDER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 42.42

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 67.54 Safety (10%) 75.53 Economic Competitiveness (10%) 28.20 Multimodal + [Freight & Military] (20%) 32.89 [Travel Time] Benefit/Cost (30%) 17.36	N/A	N/A
Totals: Weight: 100% Weighted Score: 42.42		

Regional Impact Total Score: 59.68

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 75.53 Multimodal + [Freight & Military] (25%) 32.89 [Travel Time] Benefit/Cost (20%) 17.36	Percent: 15% Points: 94	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 30.58		

Division Needs Total Score: 56.9

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 67.54 Safety (20%) 75.53 Multimodal + [Freight & Military] (10%) 32.89	Percent: 25% Points: 100	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 31.9		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	47
Length (miles):	5.52
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	32097.68
Capacity:	35208.33
Volume/Capacity Ratio:	0.91
% Autos:	94%
% Trucks:	6%
Truck Volume:	2019.74
Crash Density:	84.7
Crash Severity:	67.32
Critical Crash Rate:	74.6
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	83
Actual Congested Speed:	49.56
Travel Time Index:	0.91

Project Benefits

Project Cross-Section:	4E - 4 Lane Divided (17'-6" Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	47
Length (miles):	5.52
Facility Type:	Superstreet
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	15060529.1
Travel Time Savings for 30 Years (Autos):	14112849.65
Travel Time Savings for 30 Years (Trucks):	947679.45
Long-Term Employment:	240
% Change in Economy:	0.00032393
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	94	100
	0%	0	0
	0%	0	0
TOTAL Division Points		94	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$14,119,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,724,000	Cost Estimation Tool
Utilities Cost:	\$567,000	Cost Estimation Tool
Total Project Cost:	\$19,410,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$19,410,000	